

# UPS SERIES ATLUS RACK-COM 10 - 20 kVA ONLINE DOUBLE CONVERSION



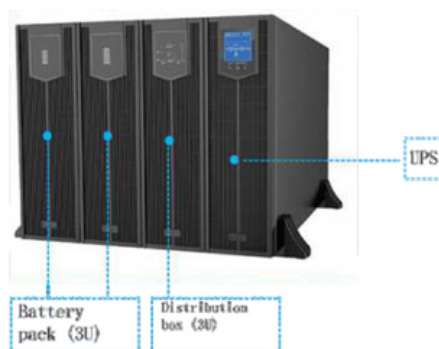
## UPS RACK 19" ONLINE THREE-PHASE OR SINGLE PHASE

The Atlus Rack UPS (10-20KVA) are range of single-phase and three-phase online rack UPS, with powers starting from 10kVA up to 20kVA. The UPS Atlus Rack series adopts the most innovative 3-level IGBT technologies, ensuring efficiency up to 97% and a unitary output power factor.

Atlus Rack can be configured in 1 \ 1 or 3 \ 1 or 3 \ 3 input \ output mode directly from the display. 19" rack UPS compact in size, only 3U in rack cabinet height. The UPS includes a distribution module and a manual bypass disconnecter to facilitate maintenance.

## EFFICIENCY AND FLEXIBILITY

- Output power factor equal to 1 for a better load capacity at the same power with lower and more convenient initial investment costs
- Very high AC/AC efficiency up to 97%
- Innovative three-level IGBT technology integrated in the inverter section
- Continuous overload up to 151%
- Ultra-wide range of batteries, from 12 up to 20 monoblocks



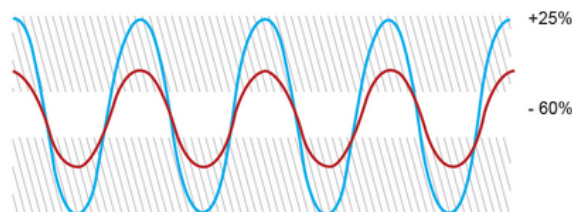
## MAIN APPLICATIONS

ALBAT'S UPS Series ATLUS 10-20 kVA represents a perfect solution for a wide range application in the:

- Data Center
- Home/Office
- Transport
- Industry
- Emergency

## MULTIPLE CONFIGURATIONS

- Large rotary HD screen, graphic interface and simplified display, for an improved and user-friendly user experience
- UPS input and output configurable from display in single-phase and / or three-phase (1:1, 3:1, 3:3)
- ECO, Normal or Parallel N+1 mode configurable from on-site display
- Configuration for input, output, bypass, batteries, communications, language and operating modes via display
- Extremely flexible input adaptable to all needs, tolerance range -60% ~ +25%



Single-phase and three-phase power range

## CONTACT:

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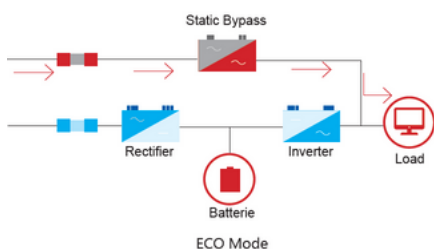
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### MULTIPLE CONFIGURATIONS

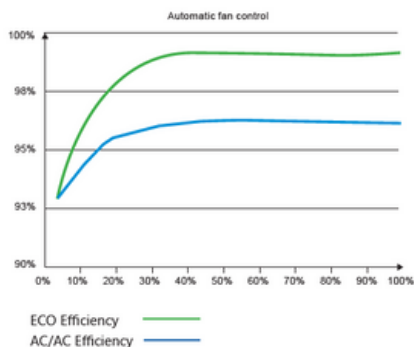
- Small footprint with small size only 3U
- Advanced control with double redundant DSP
- Fully tropicalized electronic cards
- Charging current for batteries from 1 to 10 A configurable from the display
- Shared batteries for parallel systems, a single battery pack for two N + 1 UPSs
- ECO mode with efficiency up to 99%, configurable from the display



- Battery configurations minimum 24 up to 40 per series ( $\pm 144 \sim \pm 240Vdc$ ) via display
- Possibility of parallel installation (redundant or power) up to 4 units
- Display available in 7 languages

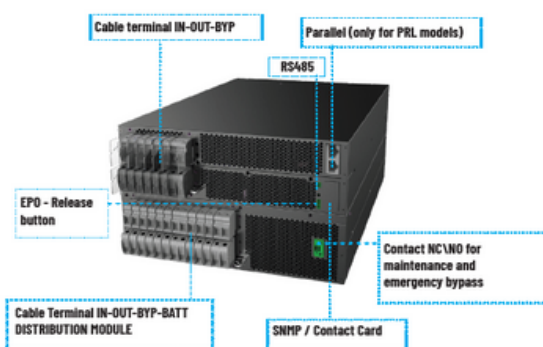
### EXCELLENT PERFORMANCE

- Efficiency higher than 93% even at low loads
- Maximum output tolerance, ability to operate with 100% unbalanced loads
- Maximum power density, 20kW of capacity take up only 3U of size
- Access to the menu via different password levels, input-output-battery configuration directly from display
- Intelligent fans with high efficiency cooling, multiple modes to control their speed, extend their life and improve their efficiency



### STANDARD AND COMMUNICATIONS

- Rack module for electrical distribution with switches for Input, Static Bypass, Output and Maintenance Bypass
- RS485 communications port with integrated Modbus
- EPO, emergency release button
- Kit for 1:1 and/or 3:1 installation (optional)
- Support for installation in tower/floor version
- USB communications port equipped with user manual cable and CD for software
- SNMP network card for remote control and monitoring (optional)
- NC/NO dry contact card for alarms (optional)



### CONTACT:



**UPS ACCESSORIES**



SNMP Card



External maintenance bypass



Dry Contact Card

**TECHNICAL SPECIFICATIONS**

Models	ATLUS RACK-COM 10	ATLUS RACK-COM 15	ATLUS RACK-COM 20
<b>INPUT</b>			
Voltage Vac	80-280 (L-N) or 138-485 (L-L)		
Frequency Hz	40-70		
Power factor	≥0,99		
THDi	<3%		
<b>OUTPUT</b>			
Capacity kVA/kW	10	15	20
Max. AC/AC Efficiency	96,00%		
Power Factor	1		
Voltage Vac	220/230/240±1% (L-N) or 380/400/415±1% (L-L) (settable)		
Frequency Hz	50/60±0,1% (battery mode)		
THD	THD <2% (linear load); THD <4% (nonlinear load)		
Transfer time ms	0		
ECO mode	YES		
Overload	115%-130% load for 15 mins, 130%-150%load for 1min, above 150% load for 200ms		
<b>BATTERY</b>			
Battery Voltage Vdc	±192 (±144 up to ±240 adjustable)		
Charging current A	1-10 settable		
<b>OTHERS</b>			
Communication interface	RS485 + EPO (RS232+dry contact, SNMP are optional in slot)		
Display	Blue screen LCD		
Alarm	AC input abnormal, low battery, UPS failure, etc.		
Protection	short-circuit, overload, over temperature, battery low voltage, etc.		
Noise dB	<55		
Working temperature	-5~+40		
Relative humidity	0~95%, no condensation		
Dimension WxDxH mm	UPS: 438x500x130 (3U) Distribution Box: 438x500x130 (3U)		
Weight kg	UPS: 20 Distribution Box:8		

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